

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032818\
 Data File : BF104024.D
 Acq On : 28 Mar 2018 21:36
 Operator : JU/SJ
 Sample : J2088-04 5X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-1

Manual Integrations
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Quant Time: Mar 29 05:09:59 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 28 13:41:47 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	127564	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	479280	20.00	ng	0.00
38) Acenaphthene-d10	10.00	164	171657	20.00	ng	0.00
63) Phenanthrene-d10	11.52	188	155529	20.00	ng	0.02
75) Chrysene-d12	14.20	240	179947	20.00	ng	0.04
86) Perylene-d12	15.73	264	228306	20.00	ng	0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	86938m	10.87	ng	0.01
7) Phenol-d6	6.61	99	127558	12.96	ng	0.00
23) Nitrobenzene-d5	7.53	82	77311	9.86	ng	0.00
41) 2,4,6-Tribromophenol	10.80	330	19032	9.96	ng	0.00
44) 2-Fluorobiphenyl	9.32	172	144233	13.25	ng	0.00
78) Terphenyl-d14	13.12	244	52159	6.69	ng	0.04
Target Compounds						
74) Fluoranthene	12.77	202	582345	65.062	ng	95
77) Pyrene	13.00	202	596120	46.084	ng	97
80) Benzo(a)anthracene	14.19	228	118409m	10.516	ng	
82) Chrysene	14.21	228	311524m	28.248	ng	
85) Indeno(1,2,3-cd)pyrene	17.31	276	80116	7.010	ng	# 90
87) Benzo(b)fluoranthene	15.28	252	550160m	39.596	ng	
88) Benzo(k)fluoranthene	15.29	252	183557m	14.024	ng	
89) Benzo(a)pyrene	15.66	252	35675	2.771	ng	# 50
91) Benzo(g,h,i)perylene	17.79	276	42753	3.585	ng	92

(#) = qualifier out of range (m) = manual integration (+) = signals summed

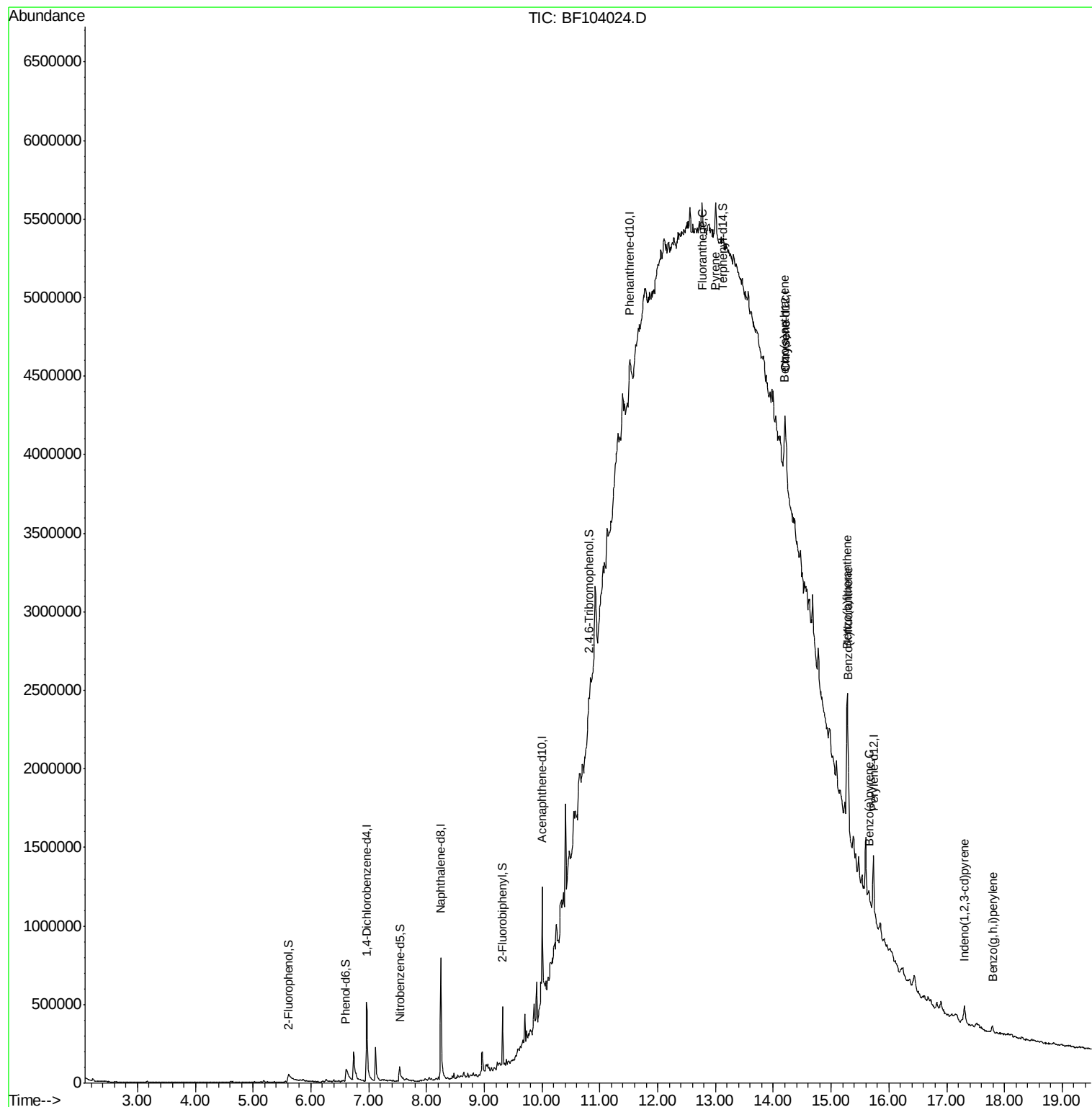
Data Path : Z:\HPCHEM1\BNA F\DATA\BF032818\
Data File : BF104024.D
Acq On : 28 Mar 2018 21:36
Operator : JU/SJ
Sample : J2088-04 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
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TP-1

Manual Integrations
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#1

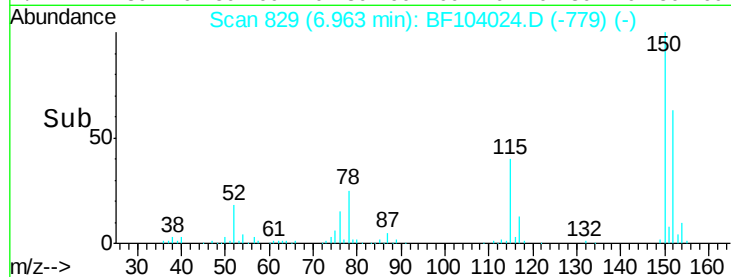
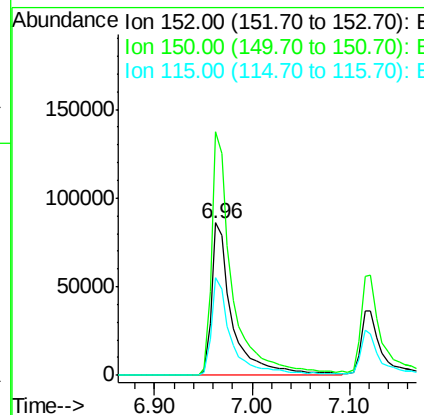
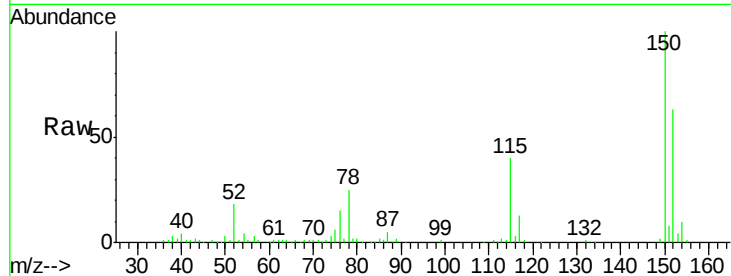
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.96 min Scan# 829
 Delta R.T. -0.01 min
 Lab File: BF104024.D
 Acq: 28 Mar 2018 21:36

Instrument :
 BNA_F
 ClientSampled :
 TP-1

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.5	124.6	186.8
115	64.1	50.1	75.1

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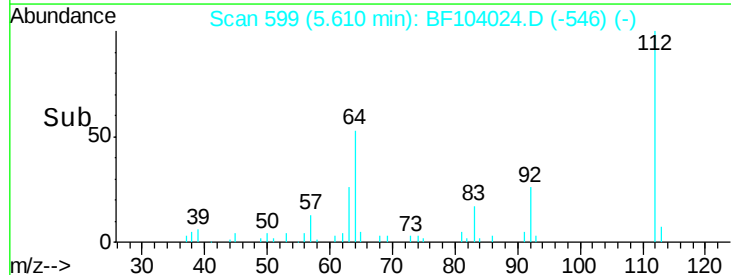
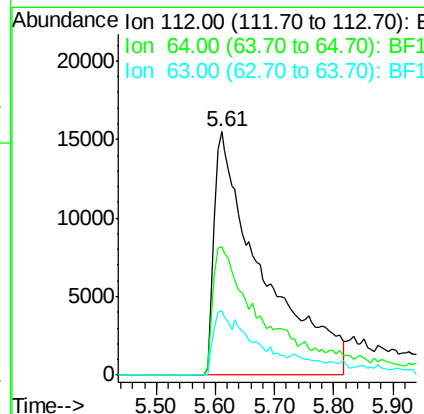
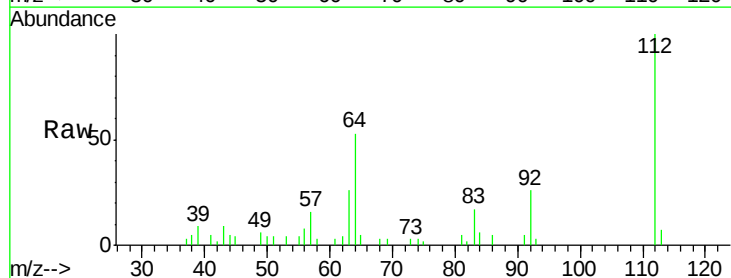
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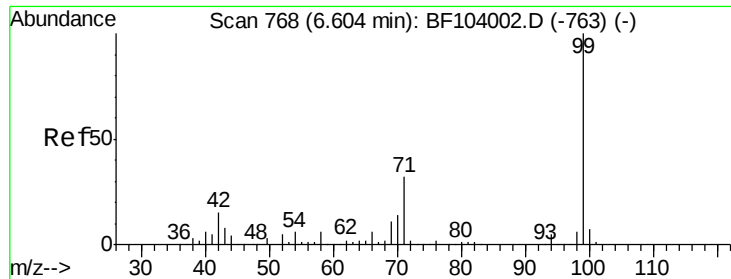


#5

2-Fluorophenol
 Concen: 10.869 ng m
 RT: 5.61 min Scan# 599
 Delta R.T. 0.01 min
 Lab File: BF104024.D
 Acq: 28 Mar 2018 21:36

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.0	47.9	71.9
63	26.5	23.7	35.5





#7

Phenol-d6

Concen: 12.962 ng

RT: 6.61 min Scan# 769

Delta R.T. 0.01 min

Lab File: BF104024.D

Acq: 28 Mar 2018 21:36

Instrument :

BNA_F

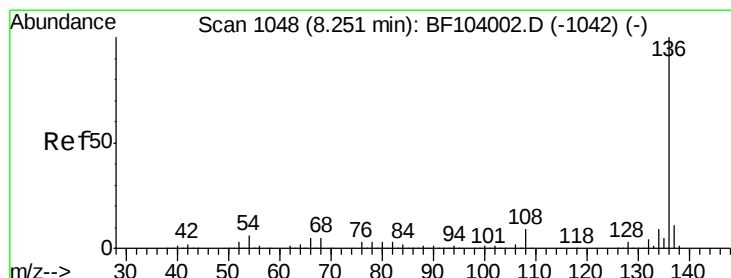
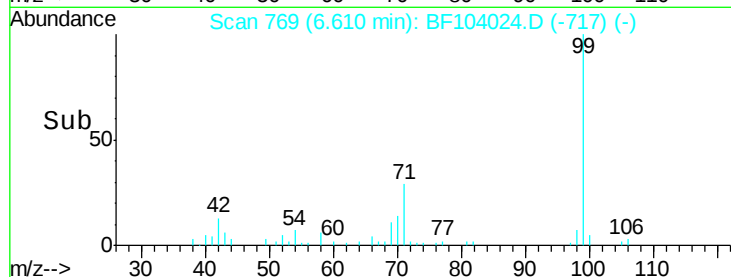
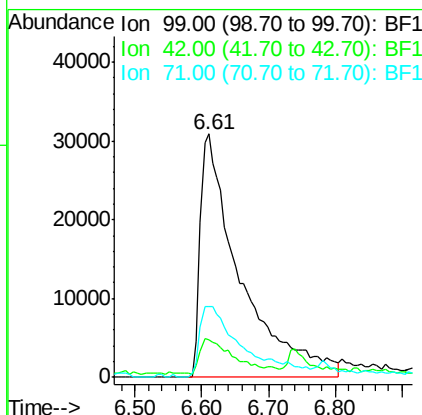
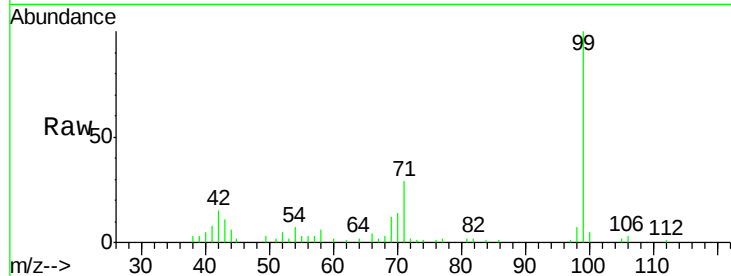
ClientSampleId :

TP-1

Tot Ion:	99	Resp:	127558
Ion Ratio	Lower	Upper	
99	100		
42	15.4	14.5	21.7
71	29.3	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

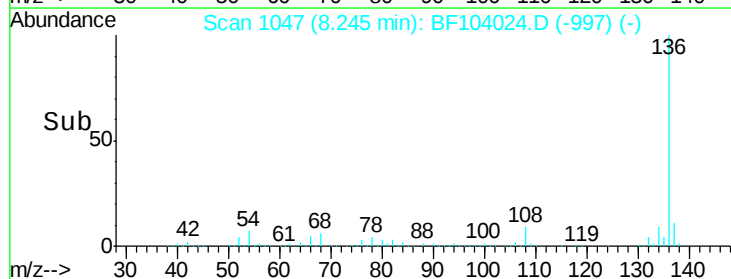
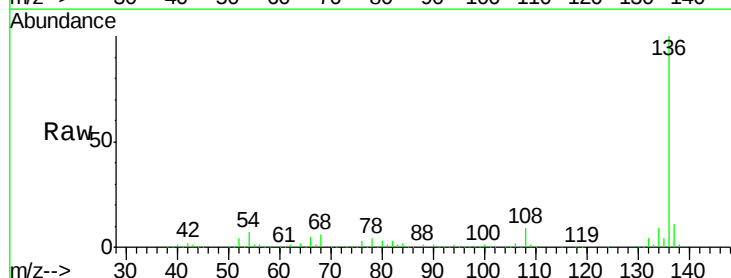
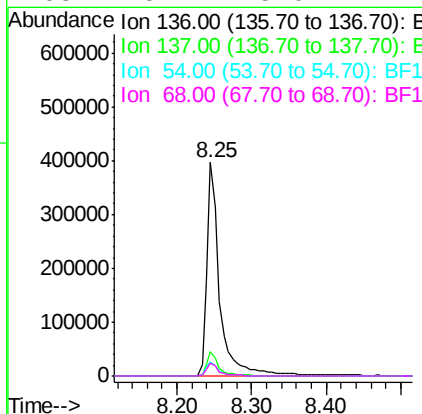
RT: 8.25 min Scan# 1047

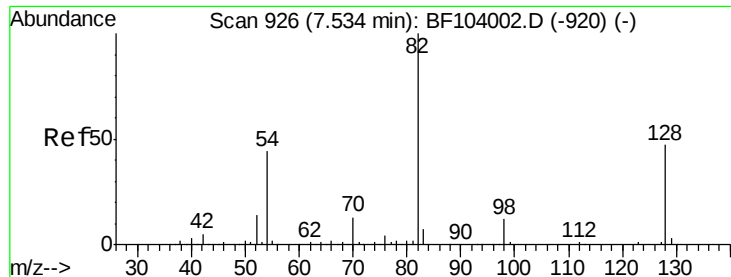
Delta R.T. -0.01 min

Lab File: BF104024.D

Acq: 28 Mar 2018 21:36

Tgt Ion:	136	Resp:	479280
Ion Ratio	Lower	Upper	
136	100		
137	11.2	8.9	13.3
54	6.6	6.6	9.8
68	6.1	5.0	7.4





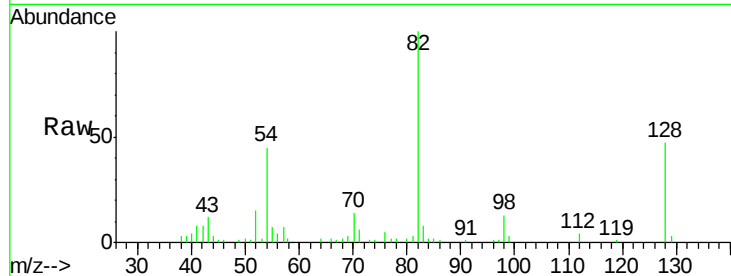
#23
Nitrobenzene-d5
Concen: 9.865 ng
RT: 7.53 min Scan# 926
Delta R.T. -0.00 min
Lab File: BF104024.D
Acq: 28 Mar 2018 21:36

Instrument :
BNA_F
ClientSampled :
TP-1

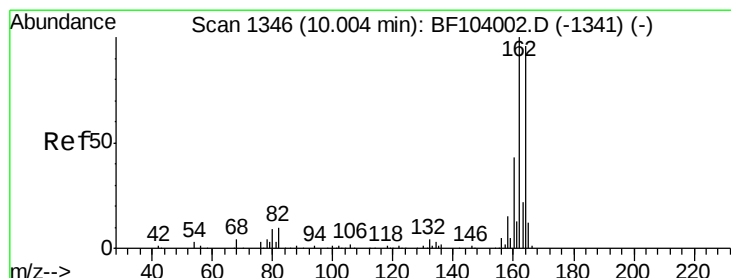
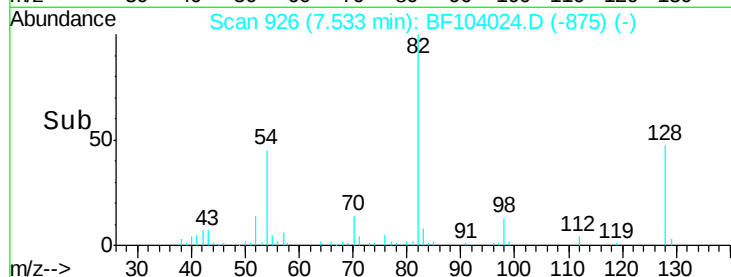
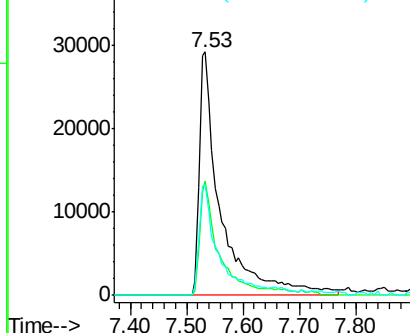
Tot Ion	Ratio	Lower	Upper
82	100		
128	46.8	36.1	54.1
54	45.4	41.4	62.2

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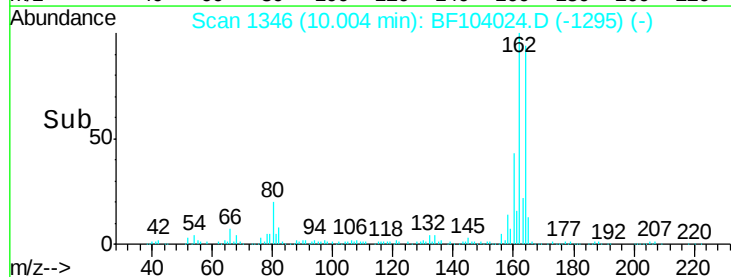
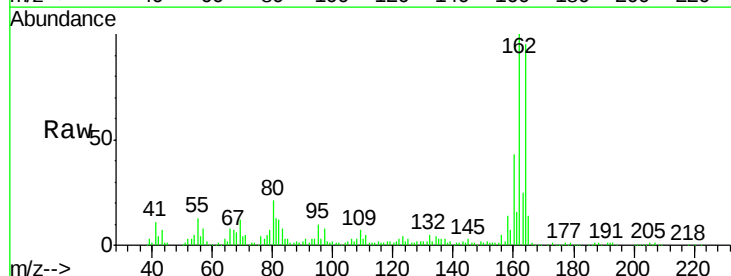
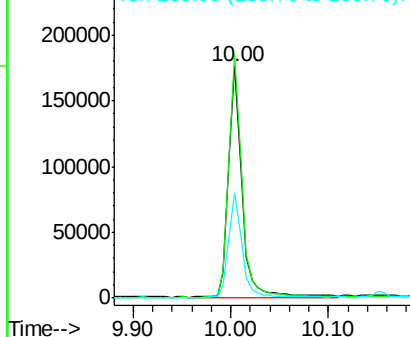
Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.00 min Scan# 1346
Delta R.T. -0.00 min
Lab File: BF104024.D
Acq: 28 Mar 2018 21:36

Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.1	86.1	129.1
160	45.3	38.3	57.5

Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E





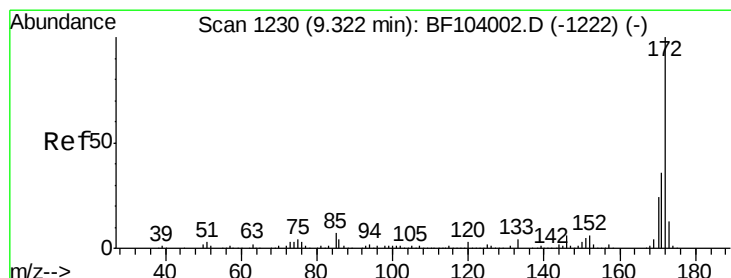
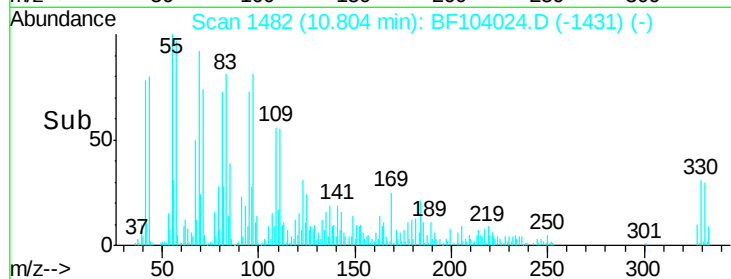
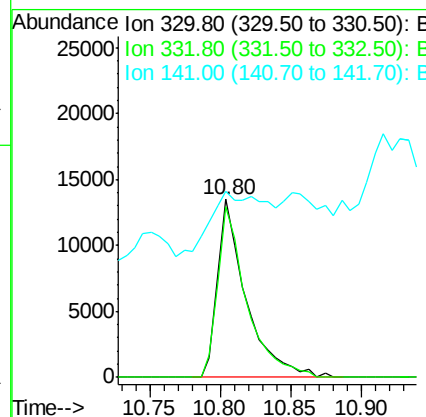
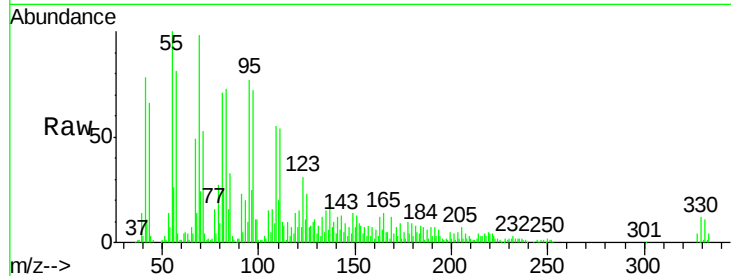
#41
 2,4,6-Tribromophenol
 Concen: 9.957 ng
 RT: 10.80 min Scan# 1482
 Delta R.T. -0.00 min
 Lab File: BF104024.D
 Acq: 28 Mar 2018 21:36

Instrument :
 BNA_F
 ClientSampled :
 TP-1

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.8	77.0	115.6
141	63.1	29.9	44.9

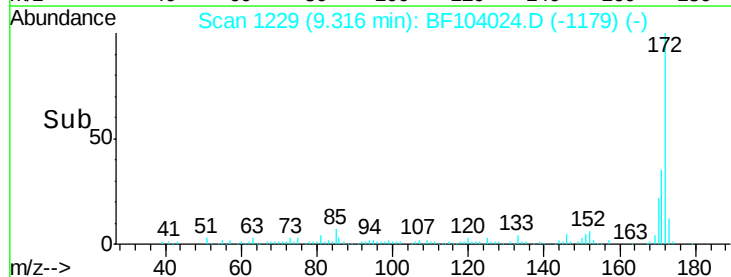
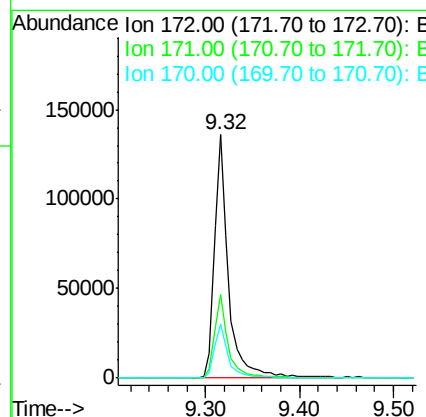
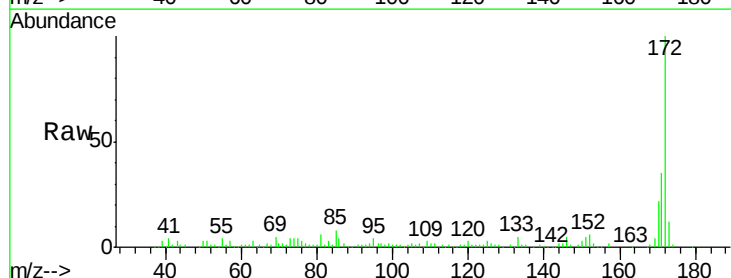
Manual Integrations
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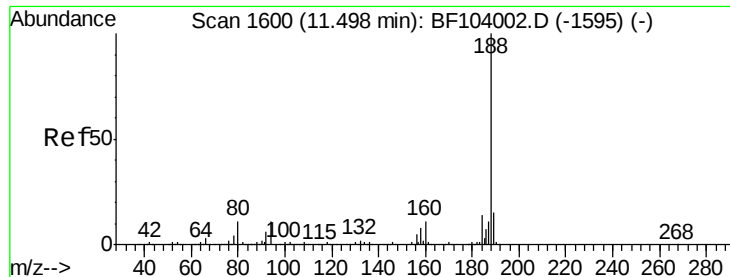
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#44
 2-Fluorobiphenyl
 Concen: 13.250 ng
 RT: 9.32 min Scan# 1229
 Delta R.T. -0.01 min
 Lab File: BF104024.D
 Acq: 28 Mar 2018 21:36

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.6	29.7	44.5
170	22.0	19.6	29.4





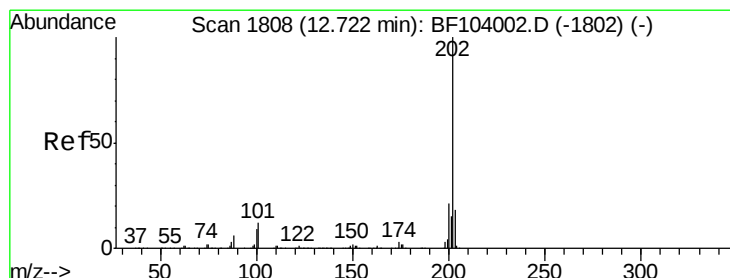
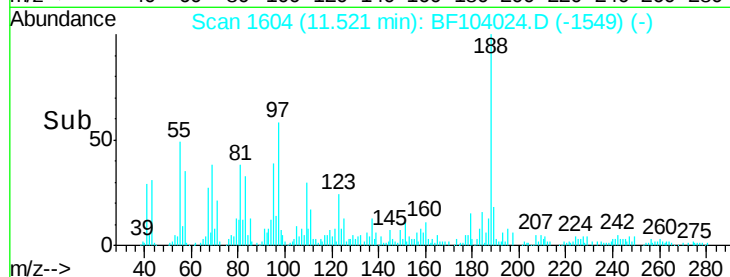
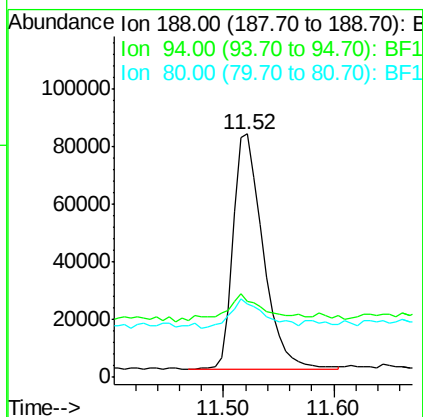
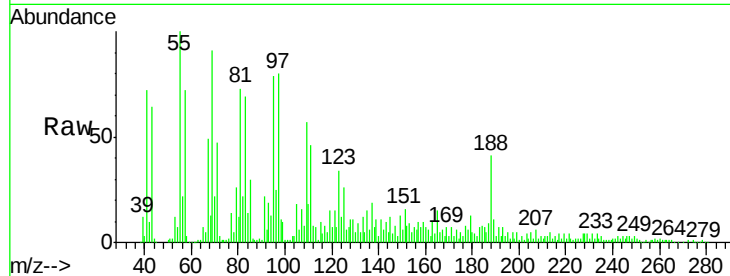
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.52 min Scan# 1604
Delta R.T. 0.02 min
Lab File: BF104024.D
Acq: 28 Mar 2018 21:36

Instrument :
BNA_F
ClientSampled :
TP-1

Tot Ion	Ratio	Resp	Lower	Upper
188	100	155529		
94	31.4	8.5	12.7#	
80	30.4	9.2	13.8#	

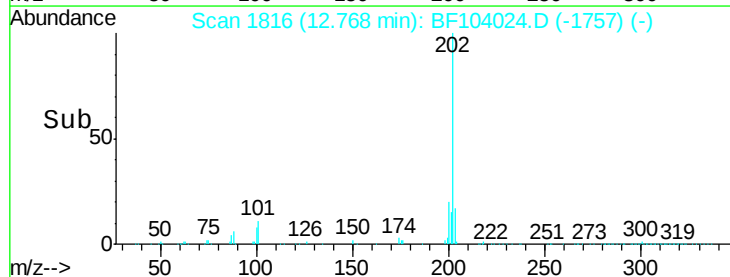
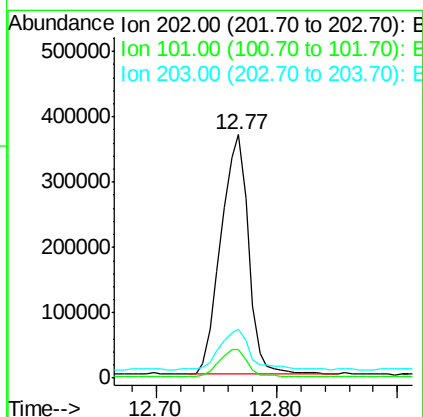
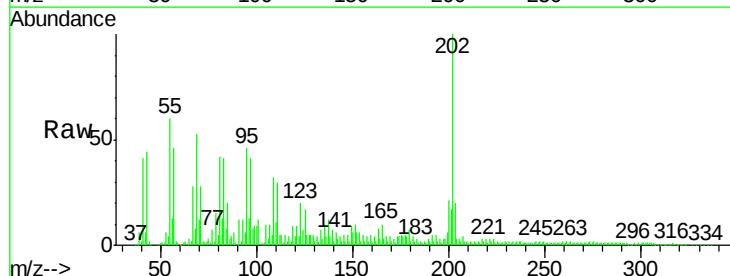
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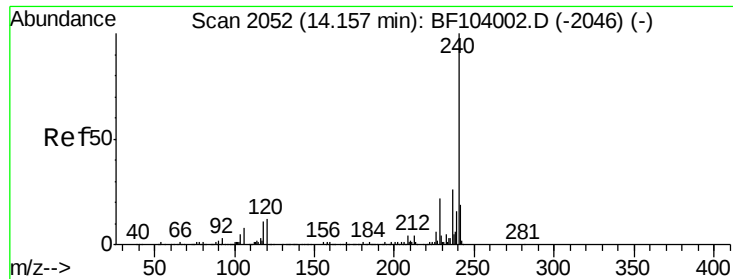
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#74
Fluoranthene
Concen: 65.062 ng
RT: 12.77 min Scan# 1816
Delta R.T. 0.05 min
Lab File: BF104024.D
Acq: 28 Mar 2018 21:36

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	582345		
101	11.5	0.0	34.1	
203	20.1	0.0	38.1	





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.20 min Scan# 2059

Delta R.T. 0.04 min

Lab File: BF104024.D

Acq: 28 Mar 2018 21:36

Instrument :

BNA_F

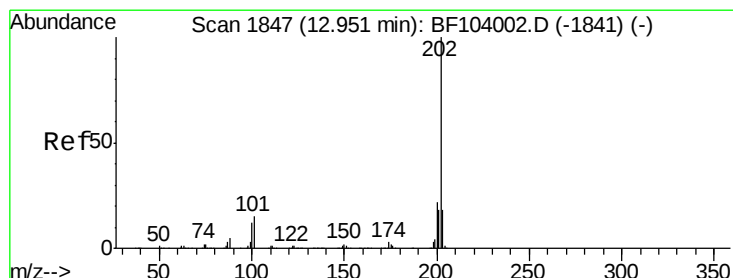
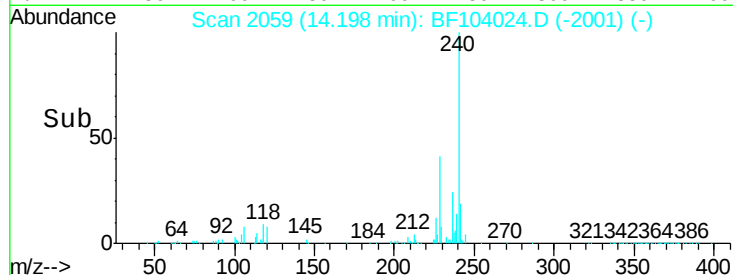
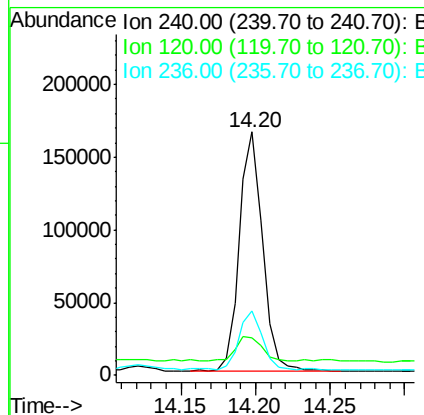
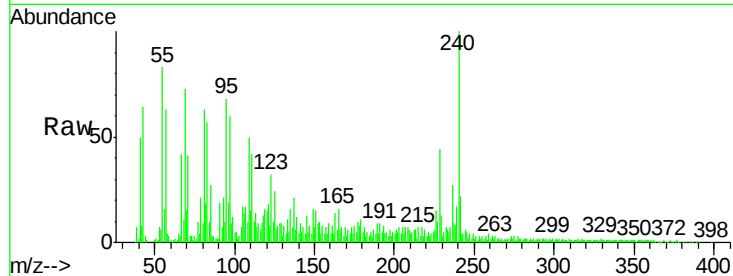
ClientSampled :

TP-1

Tot Ion	Ratio	Lower	Upper
240	100		
120	15.4	9.5	14.3
236	26.6	20.7	31.1

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#77

Pyrene

Concen: 46.084 ng

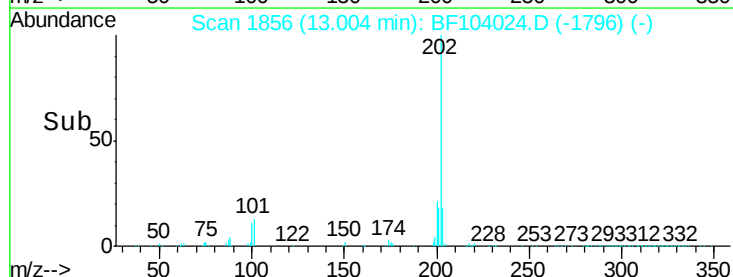
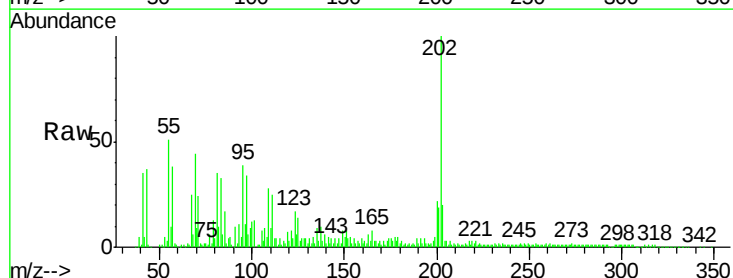
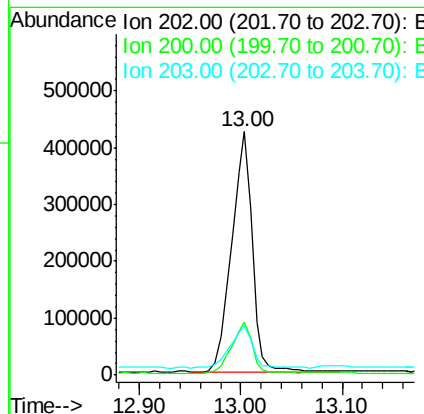
RT: 13.00 min Scan# 1856

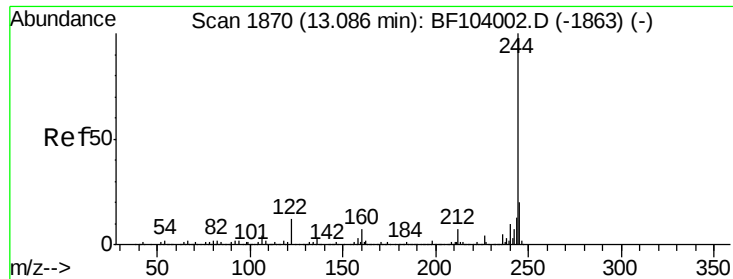
Delta R.T. 0.05 min

Lab File: BF104024.D

Acq: 28 Mar 2018 21:36

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.8	17.4	26.2
203	20.4	14.3	21.5





#78

Terphenyl-d14

Concen: 6.693 ng

RT: 13.12 min Scan# 1876

Delta R.T. 0.04 min

Lab File: BF104024.D

Acq: 28 Mar 2018 21:36

Instrument :

BNA_F

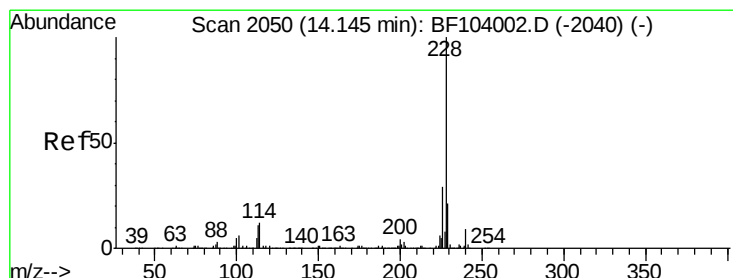
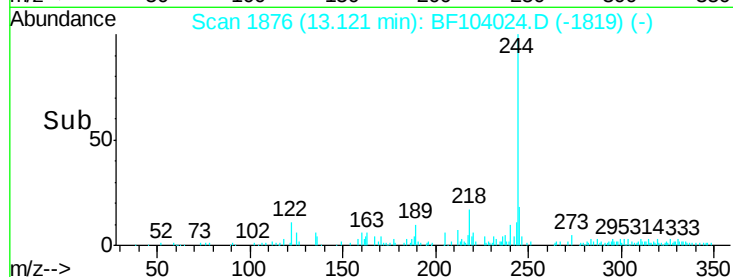
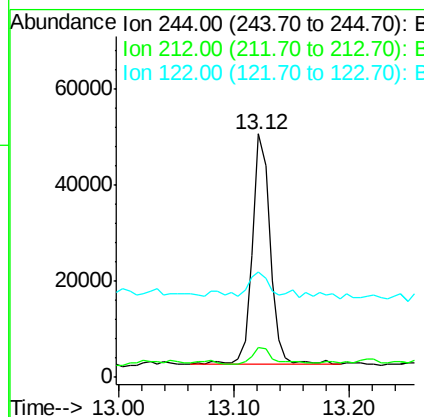
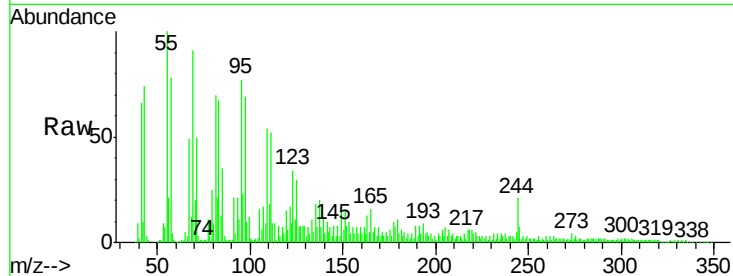
ClientSampled :

TP-1

Tot Ion	Ratio	Lower	Upper
244	100		
212	12.3	5.4	8.0#
122	43.4	11.0	16.4#

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#80

Benzo(a)anthracene

Concen: 10.516 ng m

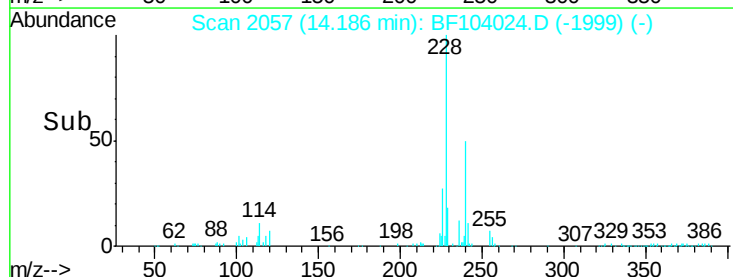
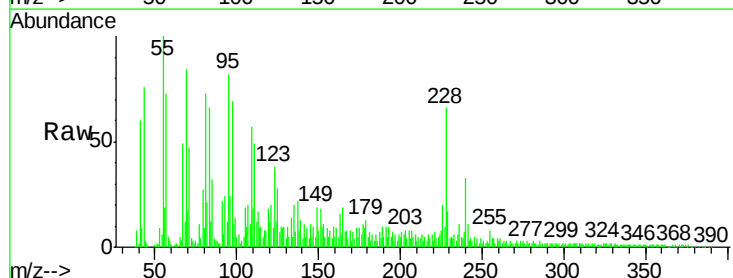
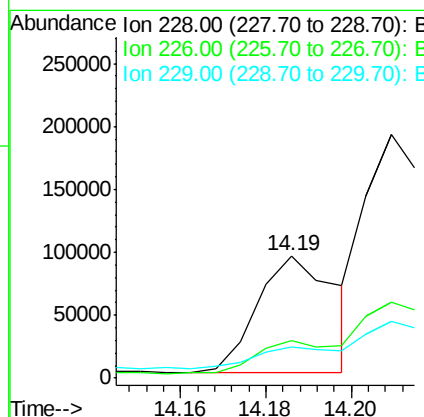
RT: 14.19 min Scan# 2057

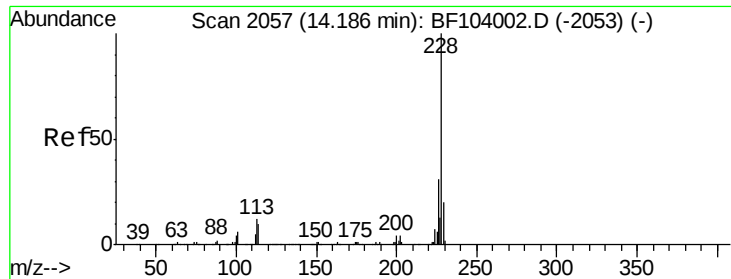
Delta R.T. 0.04 min

Lab File: BF104024.D

Acq: 28 Mar 2018 21:36

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.1	22.6	33.8
229	25.9	15.8	23.6#





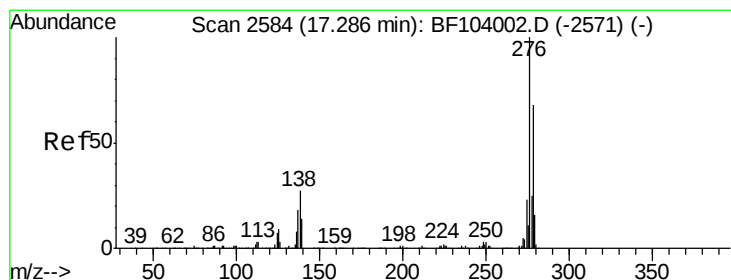
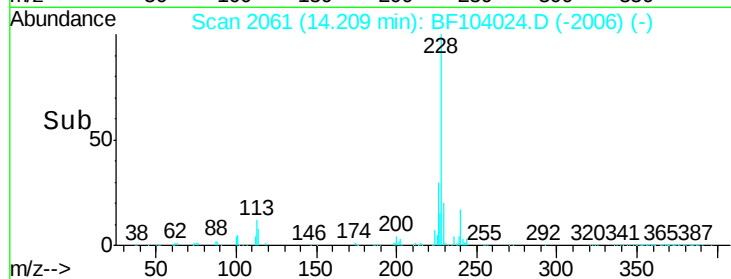
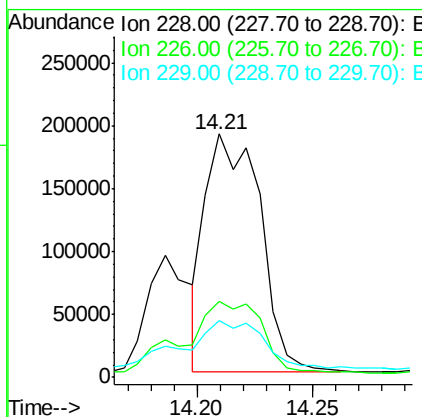
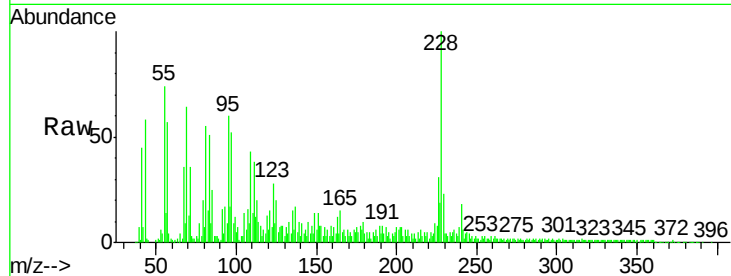
#82
Chrysene
Concen: 28.248 ng/ml
RT: 14.21 min Scan# 2061
Delta R.T. 0.02 min
Lab File: BF104024.D
Acq: 28 Mar 2018 21:36

Instrument :
BNA_F
ClientSampled :
TP-1

Tot Ion:	228	Resp:	311524
Ion Ratio	Lower	Upper	
228	100		
226	31.0	25.0	37.6
229	23.1	16.2	24.4

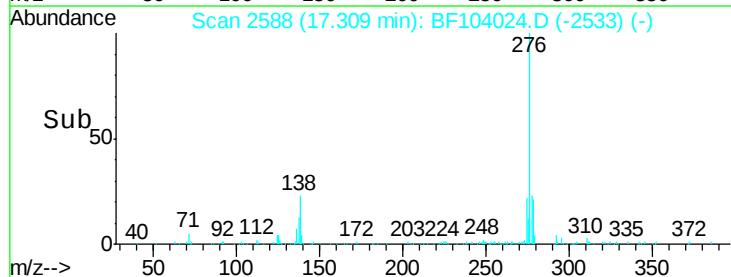
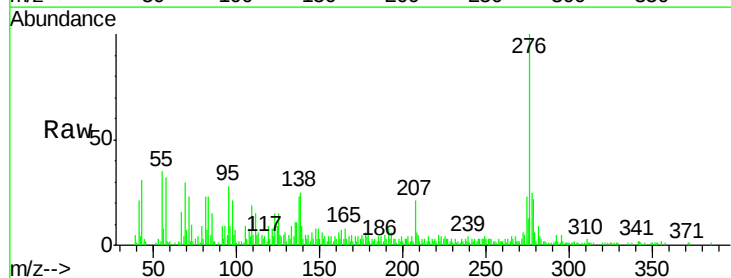
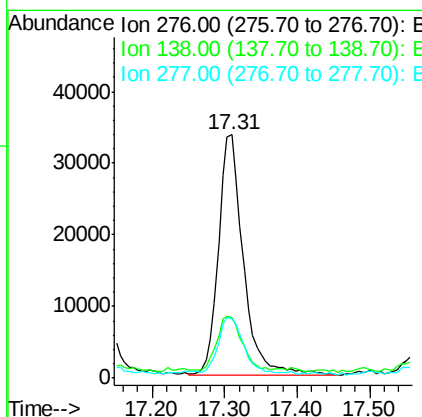
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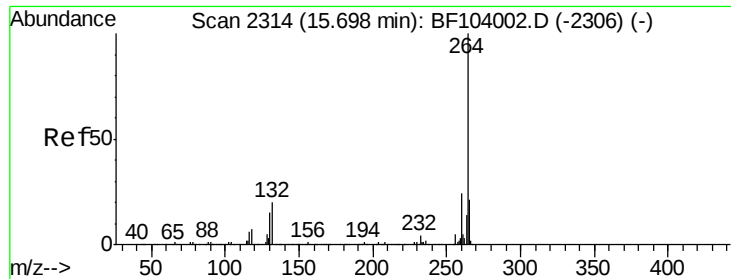
Sohil
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#85
Indeno(1,2,3-cd)pyrene
Concen: 7.010 ng
RT: 17.31 min Scan# 2588
Delta R.T. 0.02 min
Lab File: BF104024.D
Acq: 28 Mar 2018 21:36

Tgt Ion:	276	Resp:	80116
Ion Ratio	Lower	Upper	
276	100		
138	22.0	25.0	37.6#
277	23.8	20.1	30.1





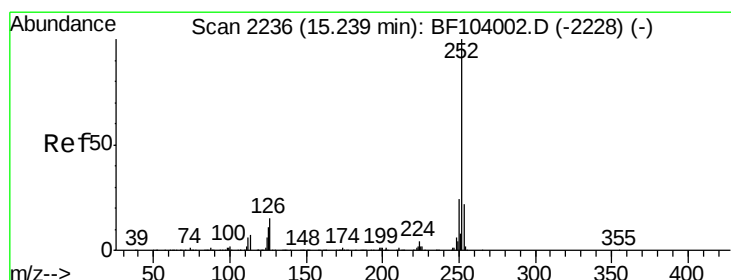
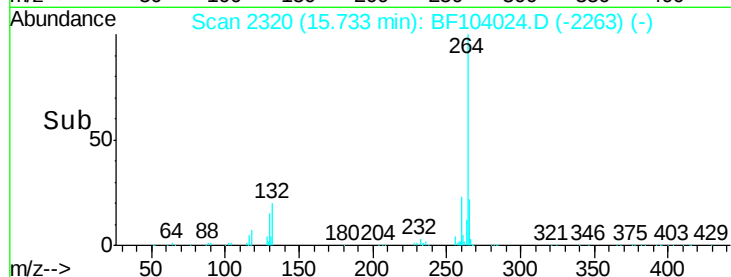
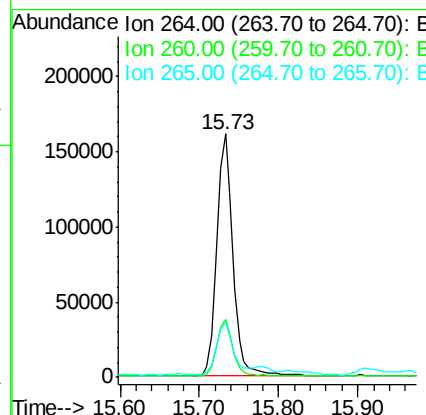
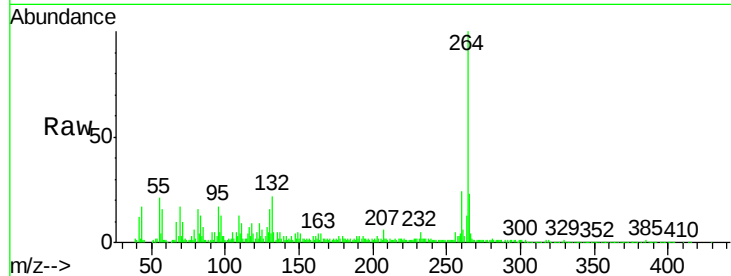
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.73 min Scan# 2320
Delta R.T. 0.04 min
Lab File: BF104024.D
Acq: 28 Mar 2018 21:36

Instrument :
BNA_F
ClientSampled :
TP-1

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.2	28.8
265	22.7	17.5	26.3

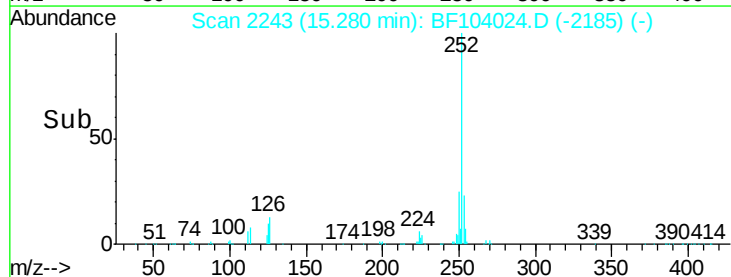
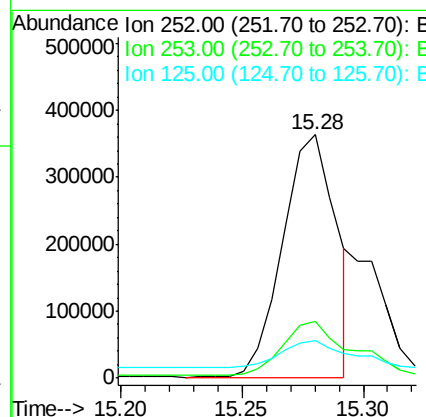
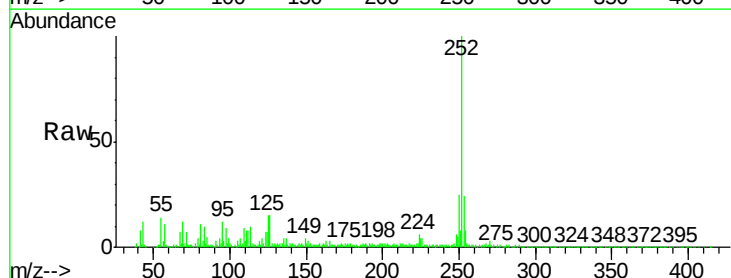
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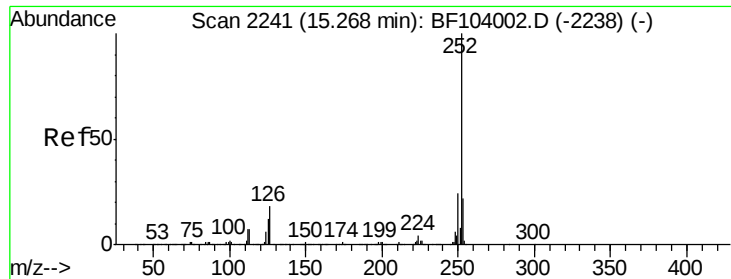
Sohil
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#87
Benzo(b)fluoranthene
Concen: 39.596 ng m
RT: 15.28 min Scan# 2243
Delta R.T. 0.04 min
Lab File: BF104024.D
Acq: 28 Mar 2018 21:36

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.0	25.6
125	15.3	9.0	13.6#





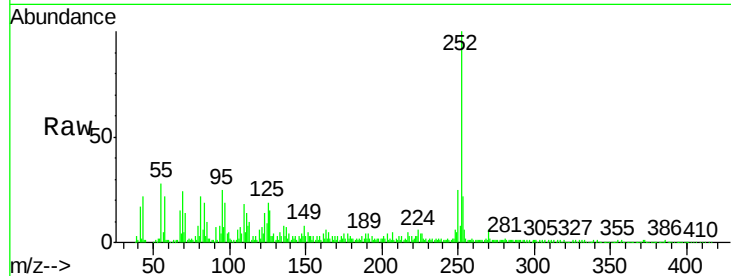
#88
Benzo(k)fluoranthene
Concen: 14.024 ng m
RT: 15.29 min Scan# 2245
Delta R.T. 0.02 min
Lab File: BF104024.D
Acq: 28 Mar 2018 21:36

Instrument :
BNA_F
ClientSampleId :
TP-1

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.9	26.9
125	18.8	10.2	15.2

Manual Integrations
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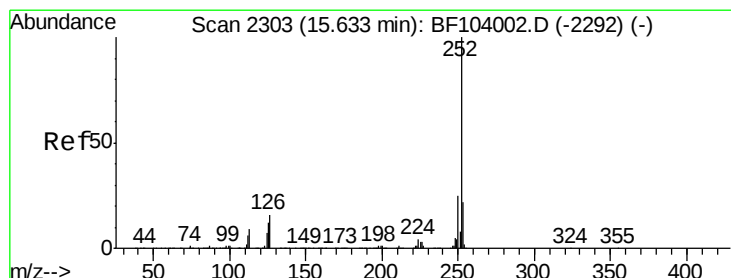
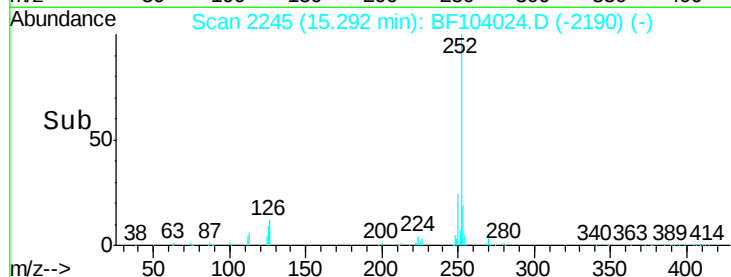
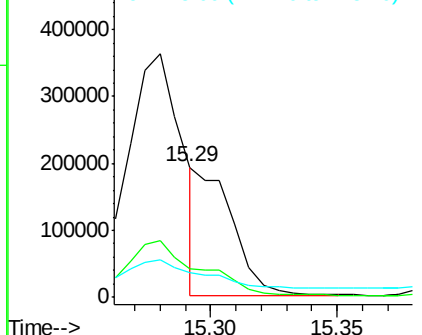


Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89
Benzo(a)pyrene
Concen: 2.771 ng
RT: 15.66 min Scan# 2308
Delta R.T. 0.03 min
Lab File: BF104024.D
Acq: 28 Mar 2018 21:36

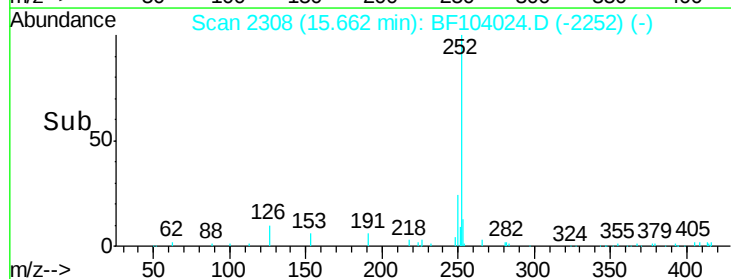
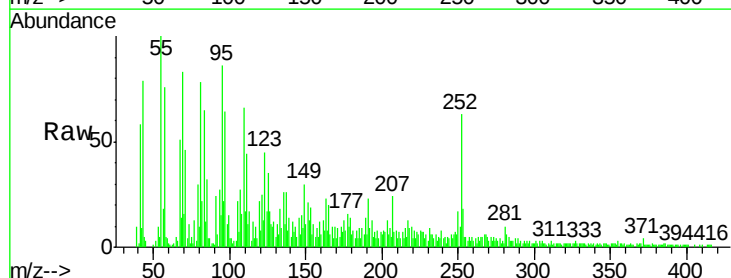
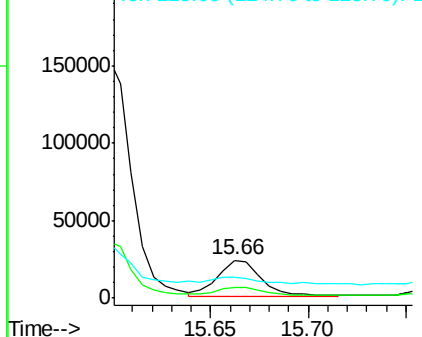
Tgt Ion	Ratio	Lower	Upper
252	100		
253	28.9	17.1	25.7
125	55.1	9.8	14.6

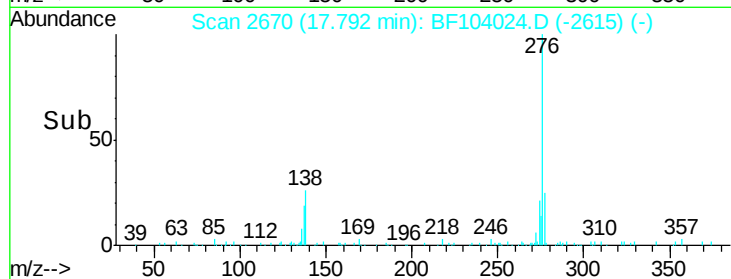
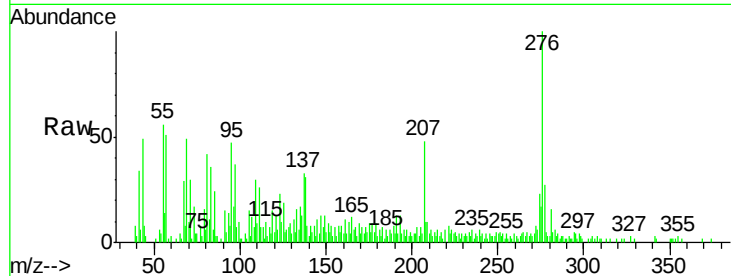
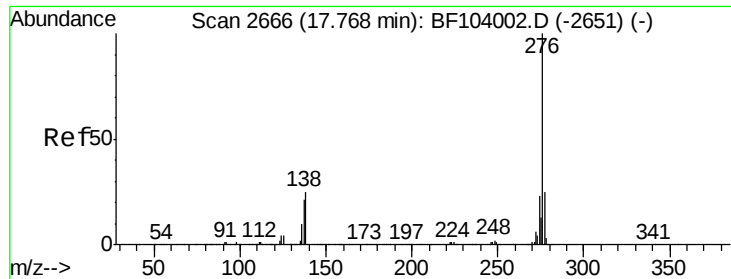
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91
 Benzo(a,h,i)perylene
 Concen: 3.585 ng
 RT: 17.79 min Scan# 2670
 Delta R.T. 0.02 min
 Lab File: BF104024.D
 Acq: 28 Mar 2018 21:36

Instrument :
 BNA_F
 ClientSampleId :
 TP-1

Tot Ion	Ratio	Lower	Upper
276	100		
277	26.7	17.9	26.9
138	30.7	21.8	32.8

Manual Integrations
 APPROVED

Sohil
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